

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#5A

Pro. Andt.

M. Baurem

8/9/01

In re

International Application of

Tapanes, et al.

International Application No.
PCT/AU99/01028

International Filing Date:
19 November 1999

Apparatus and Method for Monitoring a
Structure Using a Counter-Propagating
Signal Method for Locating Events

PRELIMINARY AMENDMENT

BOX PCT
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Please amend the application as follows prior to calculation of the filing fees.

IN THE CLAIMS

Substitute the following claims for the corresponding numbered claims in the application.

3. (Amended) The apparatus of claim 1 wherein light source is for launching simultaneously into opposite ends of the waveguide.
4. (Amended) The apparatus of claim 1 wherein the light source is a single light source.
5. (Amended) The apparatus of claim 1 wherein the waveguide is one or more optical fibres which forms an event sensitive optical fibre.
6. (Amended) The apparatus of claim 1 wherein further silica waveguides are connected to the said waveguide at either or both ends in order to add additional delay between the transmissive counter-propagating signals and to provide insensitive lead waveguides.